

| Indiana Emergency Medical Services Commission<br>Levels of EMS Personnel Certification |   |  |   |   |
|--|---|--|---|---|
| Level of Certification Title   | <i>Minimum</i> Initial Training Hours   | Hospital and Clinical Experience   | Scope of Treatment Skills   | Required Continuing Education   |
| Emergency Medical Responder  | <b>49.5 Hours</b>   | N/A  | <ul style="list-style-type: none"> <li>• Oral airway</li> <li>• BVM</li> <li>• Sellick’s Maneuver</li> <li>• Head-tilt chin lift</li> <li>• Jaw thrust</li> <li>• Modified chin lift</li> <li>• Obstruction–manual</li> <li>• Oxygen therapy</li> <li>• Nasal cannula</li> <li>• Non-rebreather face mask</li> <li>• Upper airway suctioning</li> <li>• Manual BP</li> <li>• Unit dose auto-injectors for self or peer care (MARK I)</li> <li>• Manual cervical stabilization</li> <li>• Manual extremity stabilization</li> <li>• Eye irrigation</li> <li>• Direct pressure</li> <li>• Hemorrhage control</li> <li>• Emergency moves for endangered patients</li> </ul> <b>Cardiac Care</b> <ul style="list-style-type: none"> <li>• CPR</li> <li>• AED</li> <li>• Assisted normal delivery</li> <li>• <i>Additional module on proper use of Cervical Collars</i></li> <li>• <i>Additional module on proper use of Long Spine Board</i></li> <li>• <i>Additional module on proper use of Pulse Ox/Carbon Monoxide monitoring</i></li> <li>• <i>Additional modules assigned by the Indiana EMS Commission if required beyond the standard curriculum</i> <ul style="list-style-type: none"> <li>◦ These modules exceed the National Education Standards set by NHTSA</li> </ul> </li> </ul>   | 20 hours in 2 years   |
| Emergency Medical Technician   | <b>151-159 Hours. This includes the 16 hours of mandatory ride time.</b>            | <p>~Students should observe emergency department operations for a period of time sufficient to gain an appreciation for the continuum of care. <b>Students must perform 10 patient assessments.</b> These can be performed in an ED, ambulance, clinic, nursing home, doctor's office, or on standardized patients if clinical settings are not available.</p> <p><b>~8 hours ambulance</b><br/><b>~8 hours hospital</b></p>   | <p><i>All skills of EMR (above) plus:</i></p> <ul style="list-style-type: none"> <li>• Humidifiers</li> <li>• Partial rebreathers</li> <li>• Venturi mask</li> <li>• Manually Triggered Ventilator (MTV)</li> <li>• Automatic Transport Ventilator (ATV)</li> <li>• Oral and Nasal airways</li> <li>• Pulse oximetry</li> <li>• Manual and auto BP</li> </ul> <b>Assisted Medications</b> <ul style="list-style-type: none"> <li>• Assisting a patient in administering his/her own prescribed medications, including auto-injection</li> </ul> <b>Technician of Medicine Administration</b> <ul style="list-style-type: none"> <li>• -Buccal</li> <li>• -Oral</li> </ul> <b>Administered Meds</b> <ul style="list-style-type: none"> <li>• PHYSICIAN-approved over-the-counter medications (oral glucose, ASA for chest pain of suspected ischemic origin)</li> </ul> <b>Trauma Care</b> <ul style="list-style-type: none"> <li>• Spinal immobilization</li> <li>• Seated spinal immobilization</li> <li>• Long board</li> <li>• Extremity splinting</li> <li>• Traction splinting</li> <li>• Mechanical pt restraint</li> <li>• Tourniquet</li> <li>• MAST/PASG</li> <li>• Cervical collar</li> <li>• Rapid extrication</li> </ul> <b>Cardiac Care</b> <ul style="list-style-type: none"> <li>• Mechanical CPR</li> <li>• Assisted complicated delivery</li> <li>• <i>Additional module on Esophageal, Tracheal, Multi-Lumen, and Supraglottic Airway</i></li> <li>• <i>Additional modules assigned by the Indiana EMS Commission if required beyond the standard curriculum</i> <ul style="list-style-type: none"> <li>◦ These modules exceed the National Education Standards set by NHTSA</li> </ul> </li> </ul> | 40 hours didactic plus verification of skill competency every 2 years |
| Advanced EMT   | <b>160 Hours</b>  | <p>~Properly <b>administer medications to at least 15 live patients</b></p> <p>~Successfully <b>perform all steps and access venous circulation at least 25 times on live patients</b> of various age groups</p> <p>~<b>Ventilate at least 20 live patients</b> of various age groups</p> <p>~Demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with <b>chest pain</b></p> <p>~Demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with <b>respiratory distress</b></p> <p>~Demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with <b>altered mental status</b></p> <p>~Demonstrate the ability to perform an adequate assessment on <b>pediatric, adult, and geriatric</b> patients</p>   | <p><i>All skills of EMT (above) plus:</i></p> <ul style="list-style-type: none"> <li>• Esophageal-Tracheal Multi-Lumen Airways</li> <li>• Blood glucose monitor</li> <li>• Peripheral IV insertion</li> <li>• IV fluid infusion</li> <li>• IO</li> </ul> <b>Technician of Medicine Administration</b> <ul style="list-style-type: none"> <li>• Aerosolized</li> <li>• Subcutaneous</li> <li>• Intramuscular</li> <li>• Nebulized</li> <li>• Sublingual</li> <li>• Intranasal</li> <li>• IV push of D50 and narcotic antagonist only</li> </ul> <b>Administered Meds</b> <ul style="list-style-type: none"> <li>• SL Nitroglycerine for chest pain of suspected ischemic origin</li> <li>• SQ or IM epinephrine for anaphylaxis</li> <li>• glucagon and IV D50 for hypoglycemia</li> <li>• Inhaled beta agonist for dyspnea and wheezing</li> <li>• Narcotic antagonist</li> <li>• Nitrous oxide for pain relief</li> <li>• <i>Additional module on Adult IO</i></li> <li>• <i>Additional Module on EKG application and interpretation of Sinus Rhythms, PEA, V-Fib, V-Tach, and Asystole</i></li> <li>• <i>Manual Defibrillation</i></li> <li>• <i>12-lead Application and Transmission ONLY</i></li> <li>• <i>Additional modules assigned by the Indiana EMS Commission if required beyond the standard curriculum</i> <ul style="list-style-type: none"> <li>◦ These modules exceed the National Education Standards set by NHTSA</li> </ul> </li> </ul>  | 54 hours didactic plus verification of skill competency every 2 years |
| Paramedic  | <b>452 Hours. Including Internship, course should range between 1000-1300 Hours</b> | <p>~No fewer than fifty (50) attempts at airway management across all age levels, with a 90% success rate utilizing endotracheal intubation in their last ten (10) attempts.</p> <p>~Must be 100% successful in the management of their last 20 attempts at airway management.</p> <p>~Clinical experience <b>must</b> include the operating room, recovery room, ICU, coronary care department, labor and delivery room, pediatrics, and ER.</p> <p>~All students must have adequate exposure, as determined by the program medical director and advisory committee, to pediatric, obstetric, psychiatric, and geriatric patients.</p> <p>~All students must complete a <b>Field Internship</b> and successfully manage, assess, and treat patients. <b>Minimum Team Leads</b> must be established by the program medical director and advisory committee and completed by every student.</p> | <p>Paramedic</p> <p><i>All skills of AEMT (above) plus:</i></p> <ul style="list-style-type: none"> <li>• BiPAP/CPAP</li> <li>• Needle chest decompression</li> <li>• Chest tube monitoring</li> <li>• Percutaneous cricothyrotomy<sup>2</sup></li> <li>• ETCO<sub>2</sub>/Capnography</li> <li>• NG/OG tube</li> <li>• Nasal and oral Endotracheal intubation</li> <li>• Airway obstruction removal by direct laryngoscopy</li> <li>• PEEP</li> <li>• EKG interpretation</li> <li>• Interpretive 12 Lead</li> <li>• Blood chemistry analysis</li> <li>• Central line monitoring</li> <li>• IO insertion</li> <li>• Venous blood sampling</li> </ul> <b>Technician of Medicine Administration</b> <ul style="list-style-type: none"> <li>• Endotracheal</li> <li>• IV (push and infusion)</li> <li>• NG</li> <li>• Rectal</li> <li>• IO</li> <li>• Topical</li> <li>• Accessing implanted central IV port</li> </ul> <b>Administered Meds</b> <ul style="list-style-type: none"> <li>• Physician-approved medications</li> <li>• Maintenance of blood administration</li> <li>• Thrombolytics initiation</li> </ul> <b>Trauma Care</b> <ul style="list-style-type: none"> <li>• Morgan lens</li> </ul> <b>Cardiac Care</b> <ul style="list-style-type: none"> <li>• Cardioversion</li> <li>• Carotid massage</li> <li>• Manual defibrillation</li> <li>• TC pacing</li> <li>• <i>Additional modules assigned by the Indiana EMS Commission if required beyond the standard curriculum</i> <ul style="list-style-type: none"> <li>◦ These modules would exceed the National Education Standards set by NHTSA</li> </ul> </li> </ul>   | 72 hours didactic plus verification of skill competency every 2 years |